



Sheet 1 of 1

PTO/SB/08A (08-03)

Substitute for Form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)Application Number
09/632,739Filing Date
August 4, 2000First Named Inventor
Clyde C. BryantArt Unit
3746Examiner Name
Koczo Jr., MichaelAttorney Docket Number
E025 1031**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	Document Number	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
mk	A	JP 358062314 A	04/13/83	Mazda Motor Corp.	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

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mk	A	The Internal-Combustion Engine in Theory & Practice - Volume 1: Thermodynamics, Fluid Flow, Performance - Second Edition, Revised - Charles Fayette Taylor - 1985
mlc	B	The Internal-Combustion Engine in Theory & Practice - Volume 2: Combustion, Fuels, Materials, Design - Revised Edition - Charles Fayette Taylor - 1985

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m/c	A	4,344,289	Curiel et al.	
	B	4,520,774	Sitter	
	C	4,841,936	Takahashi	
	D	5,327,856	Schroeder et al.	
	E	5,518,818	Born	
	F	5,680,841	Hu	
	G	5,829,397	Vorih et al.	

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m/c	H	Diesel Engine Reference Book - LCR Lilly - Butterworth & Co. - 1984
	I	SAE Technical Paper Series - A Review & Classification of Variable Valve Timing Mechanisms - Dresner et al. - 02/27/89-03/03/89 - Pgs. 1-14
	J	SAE Technical Paper Series - A Review of Variable Valve Timing Benefits & Modes of Operation - Dresner et al. - 08/07/89-08/10/89 - Pgs. 1-9
	K	Sturman Industries - Hydraulic Valve Actuation - 9/5/04

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mk	L	Jacobs Vehicle Systems, VVA - Variable Actuation Systems - pp. 1-2
	M	Paxman Diesel Engines since 1934, pp. 1 and 9, August 23, 2004
	N	ALSTOM Engines Paxman VP185 - pp. 1-6
	O	The 8 th Annual Automobile & Engine Technology Colloquium in Aachen - An Overview - Dipl.-Ing. Jörg Ballauf - pp. 1-5, October, 1999

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m	A	5,970,929	Tacquet	
	B	3,257,797	H.U. Lieberherr	
	C	2,644,436	M.J. Berlyn	
	D	2,202,227	L.E. Noland	

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	E	DE 31 24668 A1	01/13/83	Daimler-Benz AG	

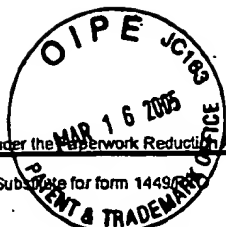
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		Number-Kind Code ² (if known)			
m/c	A	US- 2001/0002379	05/31/2001	Schechter	
	B	US- 2001/0023671	09/27/2001	Vorih	
	C	US- 2002/0157623	10/31/2002	Turner et al.	
	D	US- 2003/0145810	08/07/2003	Leman et al.	
	E	US- 2004/0118118	06/24/2004	Weber et al.	
	F	US- 2004/0206331	10/21/2004	Leman	
	G	US- 3,250,068	05/10/1966	Vulliamy	
	H	US- 4,020,809	05/03/1977	Kern et al.	
	I	US- 4,033,304	07/05/1977	Luria	
	J	US- 4,050,435	09/27/1977	Fuller, Jr. et al.	
	K	US- 4,161,166	07/17/1979	Roznovsky	
	L	US- 4,180,035	12/25/1979	Saiki et al.	
	M	US- 4,206,728	06/10/1980	Trenne	
	N	US- 4,423,709	01/03/1984	Arrieta	
	O	US- 4,424,790	01/10/1984	Curtill	
	P	US- 4,474,008	10/02/1984	Sakurai et al.	
	Q	US- 4,561,253	12/31/1985	Curtill	
	R	US- 4,572,114	02/25/1985	Sickler	
	S	US- 4,643,049	02/17/1987	Nishikawa et al.	

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
m/c	T	WO 01/20150	03/22/2001	Diesel Engine		
	U	DE 44 40 289 A1	05/15/1996	Schmidt		
	V	DE 44 43 169 A1	06/13/1996	Dens		
	W	EP 0 961 018 A1	12/01/1999	Maeda		
	X	JP 05106415 A2	04/27/1993	Toshiaki		
	Y	JP 2000 120457	04/25/2000	Haruyuki		

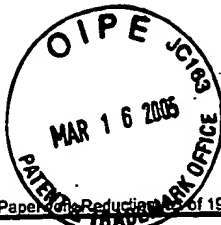
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Application Number	09/632,739
Filing Date	8/4/2000
First Named Inventor	Clyde C. Bryant
Art Unit	3746
Examiner Name	Michael Kocz, Jr.
Attorney Docket Number	E025 1031

Sheet 2 of 7

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		Number-Kind Code ² (if known)			
mk	Z	US- 4,815,423	03/28/1989	Holmer	
	AA	US- 4,833,971	05/30/1989	Kubik	
	AB	US- 5,000,145	03/19/1991	Quenneville	
	AC	US- 5,012,778	05/07/1991	Pitzi	
	AD	US- 5,191,867	03/09/1993	Glassey	
	AE	US- 5,255,641	10/26/1993	Schechter	
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	AG	US- 5,333,456	08/02/1994	Bollinger	
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	AK	US- 5,408,979	04/25/1995	Backlund et al.	
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	AQ	US- 5,549,095	08/27/1996	Goto et al.	
	AR	US- 5,564,386	10/15/1996	Korte et al.	

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
mk	AS	JP 2000-145484	05/26/2000	Yukihiro		

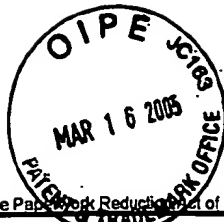
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mk	AT	US 5,586,526	12/24/1996	Lindquist	
	AU	US 5,586,531	12/24/1996	Vittorio	
	AV	US 5,611,204	03/18/1997	Radovanovic et al.	
	AW	US 5,615,646	04/01/1997	Feucht	
	AX	US 5,619,965	04/15/1997	Cosma et al	
	AY	US 5,645,030	07/08/1997	Letsche	
	AZ	US 5,682,854	11/04/1997	Ozawa	
	BA	US 5,713,331	02/03/1998	Eisenbacher et al.	
	BB	US 5,718,199	02/17/1998	Hu et al.	
	BC	US 5,724,939	03/10/1998	Faletti et al.	
	BD	US 5,732,678	03/31/1998	Lindquist et al.	
	BE	US 5,778,674	07/14/1998	Kimura	
	BF	US 5,787,859	08/04/1998	Meistrick et al.	
	BG	US 5,809,964	09/22/1998	Meistrick et al.	
	BH	US 5,813,231	09/29/1998	Faletti et al.	
	BI	US 5,816,216	10/06/1998	Egashira et al.	
	BJ	US 5,829,397	11/03/1998	Vorih et al.	
	BK	US 5,839,400	11/24/1998	Vattaneo et al.	
	BL	US 5,839,453	11/24/1998	Hu	

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myk	BM	US- 5,937,807	08/17/1999	Peters et al.	
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	BO	US- 6,000,374	12/14/1999	osma et al.	
	BP	US- 6,003,316	12/21/1999	Baert et al.	
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	BT	US- 6,026,786	02/22/2000	Groff et al.	
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	BV	US- 6,035,640	03/14/2000	Kolmanovsky et al.	
	BW	US- 6,067,800	05/30/2000	Kolmanovsky et al.	
	BX	US- 6,067,946	05/30/2000	Freudenberg et al.	
	BY	US- 6,076,353	06/20/2000	Meistrick et al.	
	BZ	US- 6,082,328	07/04/2000	Meistrick et al.	
	CA	US- 6,095,127	08/01/2000	Kolmanovsky et al.	
	CB	US- 6,101,998	08/15/2000	Tamura et al.	
	CC	US- 6,128,902	10/10/2000	Kolmanovsky et al.	
	CD	US- 6,135,073	10/24/2000	Feucht et al.	
	CE	US- 6,148,778	11/21/2000	Sturman	

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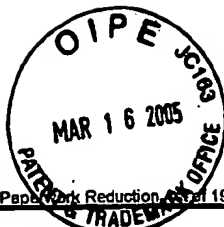
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Art Unit	3746
Examiner Name	Michael Kocz, Jr.
Attorney Docket Number	E025 1031

Sheet 5 of 7

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
mk	CF	US- 6,170,441	01/09/2001	Haldeman et al.	
	CG	US- 6,178,749	01/30/2001	Kolmanovsky et al.	
	CH	US- 6,189,504	02/20/2001	Israel et al.	
	CI	US- 6,209,516	04/30/2001	Yamashita	
	CJ	US- 6,237,551	05/29/2001	Macor et al.	
	CK	US- 6,244,257	06/12/2001	Hu	
	CL	US- 6,267,107	07/31/2001	Ward	
	CM	US- 6,273,076	03/14/2001	Beck et al.	
	CN	US- 6,279,550	08/28/2001	Bryant	
	CO	US- 6,301,887	10/16/2001	Gorel et al.	
	CP	US- 6,301,889	10/16/2001	Gladden et al.	
	CQ	US- 6,302,076	10/16/2001	Bredy	
	CR	US- 6,439,195	08/27/2002	Warner	
	CS	US- 6,467,452	10/22/2002	Duffy et al.	
	CT	US- 6,571,765	06/30/2003	Kuboshima et al.	
	CU	US- 6,688,280	02/10/2004	Weber et al.	
	CV	US- 6,722,349	04/20/2004	Leman et al.	
	CW	US- 6,732,685	05/11/2004	Leman	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁴
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

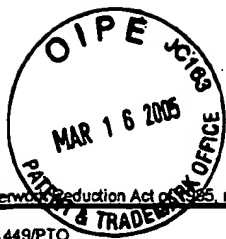
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8-23-05

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete If Known

Application Number	09/632,739
Filing Date	8/4/2000
First Named Inventor	Clyde C. Bryant
Art Unit	3746
Examiner Name	Michael Koczo, Jr.
Attorney Docket Number	E025 1031

Sheet 6 of 7

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
mk	CX	http://www.mazda.com.au/corpora/209.html ; Oct. 16, 2001, pg. 1-6.	
	CY	Challen et al., "Diesel Engine Reference Book, Second Edition," SAE International, 1999, pages 75, 81, 84, 146, and 263-305.	
	CZ	Edwards et al, "The Potential of a Combined Miller Cycle & Internal EGR Engine for Future Heavy Duty Truck Apps" SAE Int'l, Int'l Congress & Expo, 2/23-2/26, 1998	
	DA	Yorihito Fukuzawa et al., "Development of High Efficiency Miller Cycle Gas Engine", Mitsubishi Heavy Industries, Ltd., Technical Review, Vol. 38, No. 3, Oct. 2001, pp. 146-150	
	DB	Documents Related to ReExamination No. 95/000,049 (U.S. Patent No. 6,651,618) (5 Documents)	
	DC	Documents Related to ReExamination No. 95/000,050 (U.S. Patent No. 6,688,280) (5 Documents)	
	DD	Pending Application No. 10/992,198; Title: Combustion Engine Including Fluidically-Driven Engine Valve Actuator - Filing Date: 11/19/04	
	DE	Pending Application No. 10/992,137; Title: Combustion Engine Including Fluidically-Controlled Engine Valve Actuator - Filing Date: 11/19/04	
	DF	Office Action dated 5/28/04, for pending application no. 10/733,570; Amendment filed 11/24/04, for application no. 10/733,570	
	DG	Pending Application No. 10/933,300; Title: Air & Fuel Supply System for Combustion Engine - Filing Date: 11/19/04	

Examiner Signature		Date Considered	8-23-05
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First Named Inventor	Clyde C. Bryant
Art Unit	3746
Examiner Name	Michael Kocz, Jr.
Attorney Docket Number	E025 1031

Sheet 7 of 7

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
mk	DH	Pending Application No. 10/992,074; Title: Combustion Engine Including Cam Phase-Shifting - Filing Date: 11/19/04	
	DI	Pending Application No. 10/992,866; Title: Air & Fuel Supply System for Combustion Engine With Particulate Trap - Filing Date: 11/19/04	
	DJ	Pending Application No. 10/992,857; Title: Air & Fuel Supply System for Combustion Engine Operating at Optimum Engine Speed - Filing Date: 11/19/04	
	DK	Pending Application No. 10/992,897; Title: Air & Fuel Supply System for Combustion Engine - Filing Date: 11/19/04	
	DL	Pending Application No. 10/933,065; Title: Air & Fuel Supply System for Combustion Engine Operating in HCCI Mode - Filing Date: 11/19/04	
	DM	Pending Application No. 10/992,070; Title: Combustion Engine Including Exhaust Purification with On-Board Ammonia Production - Filing Date: 11/19/04	
	DN	Pending Application No. 10/992,071; Title: Combustion Engine Including Engine Valve Actuation System - Filing Date: 11/19/04	
	DO	Pending Application No. 10/992,069; Title: Air & Fuel Supply System for Combustion Engine - Filing Date: 11/19/04	
	DP	Pending Application No. 10/992,125; Title: Air & Fuel Supply System for A Combustion Engine - Filing Date: 11/19/04	

Examiner Signature		Date Considered	8-23-05
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Sheet	1
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of 2

Application Number	09/632.739
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Filing Date	8/4/2000
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First Named Inventor	Clyde C. Bryant
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Art Unit	3746
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Examiner Name	Michael Koczko, Jr.
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Attorney Docket Number	E025 1031
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
mlk	C	JP 59 060034 A	04/05/1984	NEC Home Electr		
	D	DE 29 30 124 A1	02/12/1981	Dr. Rudolf Wies		
	E	FR 2 583 108 A2	12/12/1986	Patrik Hazera		

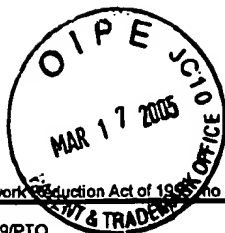
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Sheet 2 of 2

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mk	F	NOX Control in Heavy-Duty Diesel Engines - What is the Limit? - Dickey, Ryan III & Matheaus - International Congress & Exposition - February 23-26, 1998 - pages 1-14	
mk	G	Office Action dated 6/2/03, for U.S. patent application no. 10/143,908; Reply to Office Action filed 9/2/03, for application no. 10/143,908	

Examiner Signature		Date Considered	8-23-05
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Sheet 1 of 1

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Application Number	09/632,739
Filing Date	08/04/00
First Named Inventor	Clyde C. Bryant
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U. S. PATENT DOCUMENTS

[illegible]

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY 09/09/09 02/26/1988		
	A	DE 39 03 474 A1		AVL Gesellschaft	
m/c	B	WO 01/46574	06/28/01	Automac S.A.S.	
m/c	C	WO 90/15917	12/27/90	Glen A. Dullawa	

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Signature**

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